

## DETAILED ACTION

### Allowable Subject Matter

1. Claims 1-3 and 7-22 are allowable.
2. The following is an examiner's reason for allowance:

Regarding claims 1, 8 and 16, Cain (Cain et al. (U.S 20030198206 A1), (hereafter, Cain) discloses a communications system/ method/ transceiver (see Fig. 1), comprising:

a plurality of transceiver nodes (mobile nodes 12a-12h, see Fig. 1) configured to utilize a time division multiple access structure (TDMA access scheme, see Par. 0004) to communicate between the plurality of transceiver nodes (12a-12h), each transceiver node generating congestion metric information based on the utilization of a link to each of its neighbors (= interference detection unit 18d detects interference in time slot for communication with neighboring mobile nodes, see Pars. [0029-30 and 0038-42]);

the time division multiple access structure including a plurality of time slots during which the plurality of transceiver nodes are configured to communicate data cells (= traffic coordination unit 18e coordinates communication with each neighboring mobile node by allocating time slots; time slot for transmission and receiving data; and RF signal, see Pars. [0030-31, 0054 and 0092]), the data cells being transmitted from a transmission queue (= queue buildup/queue state, see Pars. 0026-28, 0079 and 0139-44), the data cells including the congestion (interference/packet error rate) metric information (see Pars. [0028, 0042 and 0077]).

The instant invention discloses, “a route management module configured to combine the congestion metric information generated by the plurality of transceiver nodes into a congestion report; the route management module configured to combine routing information for each transceiver node and the congestion report into a plurality of node routing and congestion reports, the route management module is configured to transmit one of the plurality of node routing and congestion reports to each transceiver node based on the routing information”; the data cell includes “routing information” and “wherein the congestion metric information is base on comparing cell counts against a total capacity of each link, a monitoring signal of a processor buffer availability, and a monitoring of signal of priority queues capacity”.

The combination of the above features in the claims are neither taught, suggested nor made obvious by Cain.

3. Claims 2-3, 7, 9-15 and 17-22 are allowable based on their respective independent claims.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled “Comment on Statement of Reasons for Allowance”

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwasi Karikari whose telephone number is 571-272-8566. The examiner can normally be reached on M-T (9 am - 7pm). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8566. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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